



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Frank Kressmann
Serial No. : 10/732,875
Filed : December 9, 2003
Title : METHOD FOR HEATING LIQUID IN AN ELECTRIC KETTLE

Art Unit : Unknown
Examiner : Unknown

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Copies of the references listed on the attached form PTO-1449 are enclosed.

English language abstracts have been included for all non-English language references. In addition, Applicants have included a concise explanation of relevance for each non-English reference. The explanations of relevance are provided below.

DE 198 13 550: This reference teaches a method for operating an electric heating device having a cooktop fitted with sensors. Power is released to a heating element first in a preset control procedure. Regulation begins after at least one control interval. More specifically, regulation begins as soon as data (T_m) supplied by the sensors falls within a predetermined range (ΔT_s) capable of enabling secure regulating. The method preferably includes fixed OFF times (t_{2off}) for the heating device. The duration of the ON times (t_{2on} , t_{3on}) can be determined as a function of a temperature difference (ΔT) between the current sensor temperature (T_m) and a preset end temperature (T_{me}) at the sensors following the expiration of the OFF time (t_{2off}). Advantageously the regulation derives its values not directly from the cooking goods temperature (T_k), but rather from a sensor temperature (T_m). The expected temperature difference between the sensor and the cooking goods temperature can be determined as a

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February 5, 2004

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function of a desired end value (T_{ke}), which is set by the user. The temperature difference can be stored in a memory, which enables significant conclusions to be drawn about the cooking goods temperature.

DE 197 11 291: This reference generally concerns the thermal regulation of cooking molds. This reference teaches a method for regulating thermal sections and heating devices in domestic appliances, preferably for cooking vats. The heating device of the domestic appliance is regulated in the following three phases:

- initial heating to a required temperature;
- transitioning to the required temperature; and
- holding the required temperature.

Thermal regulation is carried out during the regulating process for the object to be heated with overswing or underswing.

DE 198 21 439: This reference teaches a sensor-controlled cooking unit, comprising a cooktop, a cooking appliance, and a sensor unit, which directly measures the temperature of the cooked goods in the cooking appliance and sends corresponding signals to a control unit of the cooktop to regulate the heat output. The sensor unit registers the time lapse of the temperature in a special calibration phase while water is cooking. The control unit detects a fixed calibration constant of temperature when the boiling point of the water has been reached, and executes self-calibration. In order to enable precise self-calibration, the control unit detects when a specific calibration constant of the temperature sequence has been reached as the end of a pre-calibration phase, and keeps the heating element switched off during the calibration measurement phase, while the sensor unit measures the temperature for self-calibration of the cooking unit.

DE 199 07 129: This reference teaches a fryer that includes a heating element temperature sensor (36) for switching off the power supply whenever the temperature situation detected by the heating element corresponds to at least one predefined criterion.

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Attorney's Docket No.: 02894-628001 / 06554-
PT10/Ha

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

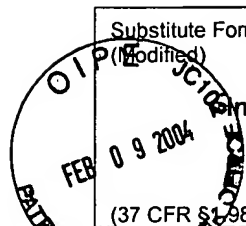
Date: 2-5-04



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 Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 02894-628001	Application No. 10/732,875
	Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Frank Kressmann	
			Filing Date December 9, 2003	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,962,299	10/09/90	Alain Duborper et al			
	AB	6,084,216	07/04/00	Sander Slegt et al			
	AC	5,639,023	06/17/97	Holger Hild et al			
	AD	4,587,406	05/06/86	Wolfram K. Andre			
	AE	4,803,344	02/07/89	Kurt Wolf et al.			
	AF	6,300,606	10/09/01	Harry Engelmann et al			
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	WO 01/56436	09.08.01	WIPO				
	AM	2 191 024	02.12.87	Great Britain				
	AN	03001824	08.01.91	Japan Absract				
	AO	08107824	30.04.96	Japan Absract				
	AP	10257968	29.09.98	Japan Absract				
	AQ	0 380 369	26.01.90	EPO				
	AR	19813550	30.09.99	Germany			Abstract	
	AS	19711291	24.09.98	Germany			Abstract	
	AT	19821439	18.11.99	Germany			Abstract	
	AU	19907129	24.08.00	Germany			Abstract	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AV	

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.